

WELL LOCATION CERTIFICATE: DIOCESE 2-16

SECTION 16, TOWNSHIP 4 NORTH, RANGE 67 WEST, 6TH P.M.

NW SEC. 16
2 1/2" ALUM. CAP
LS 23513

S 89°11'05" E 2707.35'

S 88°26'50" E 2722.20'

NE SEC. 16
3 1/4" ALUM. CAP
LS 13155

N 1/4 SEC. 16
3 1/4" ALUM. CAP
LS 7242

SURFACE LOCATION
GROUND ELEVATION= 4832'
NAD83
LATITUDE= 40.317876°
LONGITUDE= 104.893782°

N 38°53'03" E
46.23'

BH- 700' FNL
2000' FEL

DIOCESE 2-16

DIOCESE 26-16

BOTTOM HOLE LOCATION
NAD83
LATITUDE= 40.317974°
LONGITUDE= 104.893677°

PDOP= 1.72
GPS OPERATOR: TRAVIS KRAICH

N 01°21'11" W 2666.50'

S 00°44'48" E 2591.71'

W 1/4 SEC. 16
3 1/4" ALUM. CAP
LS 22097

16

E 1/4 SEC. 16
2 1/2" ALUM. CAP
LS 22097

(BASIS OF BEARINGS) SEE NOTE 3
N 01°20'59" W 2605.92'

S 00°45'29" E 2625.00'

NOTES:
THIS IS A DIRECTIONAL WELL
BH LOCATION TO BE 700' FNL & 2000' FEL
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE-OPEN FIELD
TWINNING PROPOSED WELL DIOCESE
26-16 TO BE 16' E
PROPOSED WELL DIOCESE 26-16 TO BE
737' FNL & 2013' FEL
SEE ATTACHED MAP FOR ADDITIONAL
IMPROVEMENTS WITHIN 400'.

S 1/4 SEC. 16
3 1/4" ALUM. CAP
LS 7242

SW SEC. 16
2 1/2" ALUM. CAP
LS 23513

N 89°17'30" W 2681.96'

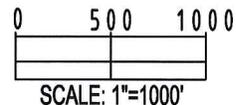
N 89°28'46" W 2690.79'

SE SEC. 16
FOUND
#5 REBAR

WELL **DIOCESE 2-16** TO BE LOCATED 737' FNL AND 2029' FEL, SECTION 16, T4N, R67W OF THE 6th P.M.

LEGEND

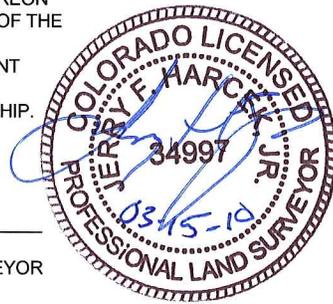
- ⊕ = EXISTING MONUMENT
- ⊙ = PROPOSED WELL
- ⬤ = BOTTOM HOLE
- ◆ = EXISTING WELL
- BH = BOTTOM HOLE



NOTES:

- THIS SURVEY WAS DONE BY GPS METHODS AND CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- ELEVATIONS SHOWN AT THE WELL HEAD, AS WELL AS HORIZONTAL CONTROL, ARE BASED ON GPS-RTK VALUES DERIVED FROM DOING 2-HOUR STATIC GPS SESSIONS AND REDUCTIONS USING O.P.U.S. SOLUTIONS.
VERTICAL = NAVD88; HORIZONTAL = NAD83/92
- THE BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS BETWEEN THE MONUMENTS SHOWN HEREON AS FOUND ON THE FIELD DATE BELOW.
- DISTANCES SHOWN ARE AT GROUND LEVEL, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED AT A PERPENDICULAR TO SECTION LINES.

I, JERRY F. HARCEK JR., A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **KERR-MCGEE OIL & GAS ONSHORE LP**, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL **DIOCESE 2-16**. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.



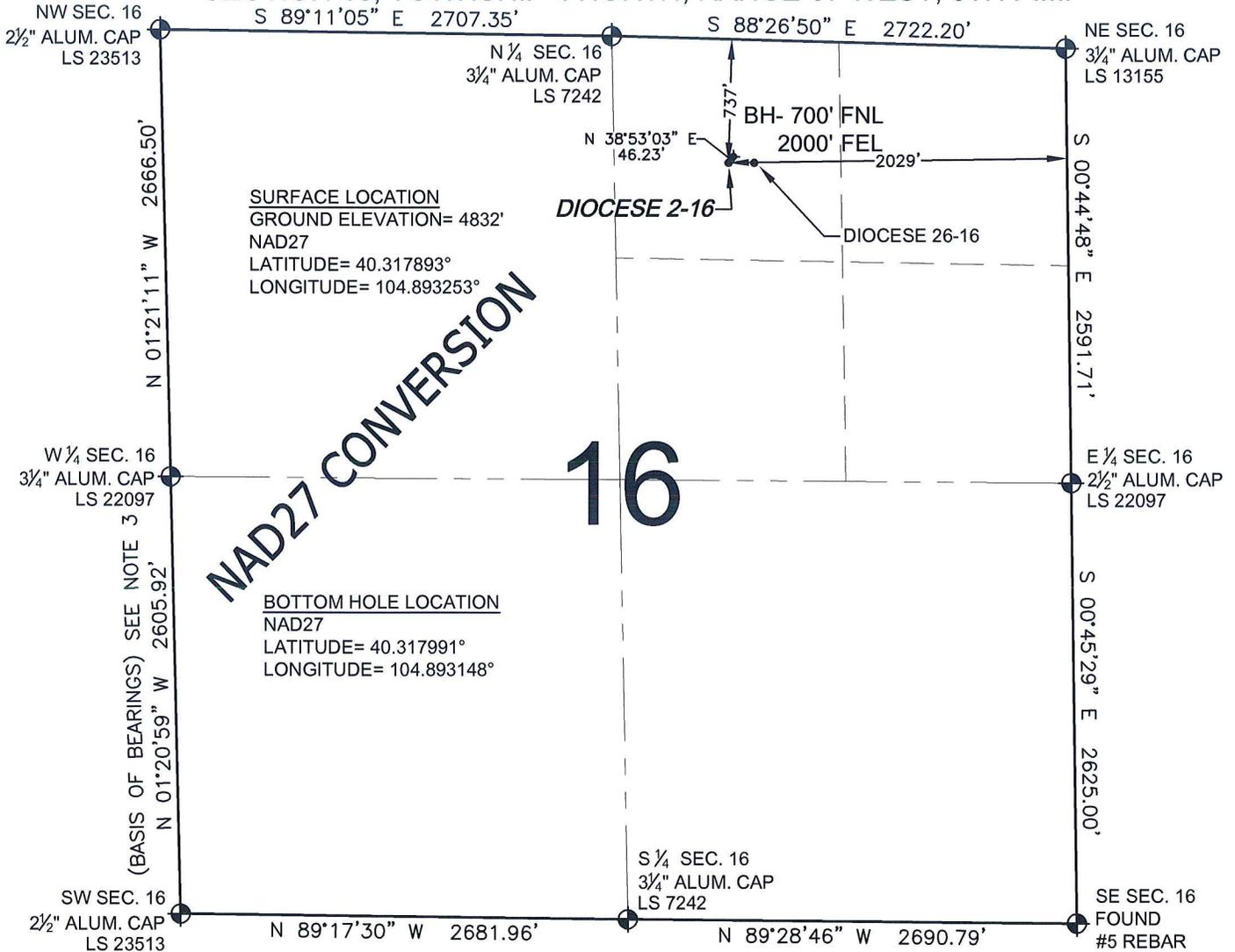
JERRY F. HARCEK JR., PLS 34997
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

PREPARED BY:  Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 03-12-10	WELL NAME: DIOCESE 2-16
	DRAWING DATE: 03-15-10	SURFACE LOCATION: WELD COUNTY, COLORADO
	BY: SMF	NW 1/4 NE 1/4, SEC. 16, T4N, R67W

EXHIBIT: NAD27 CONVERSION

SECTION 16, TOWNSHIP 4 NORTH, RANGE 67 WEST, 6TH P.M.



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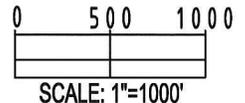
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NOTE: LATITUDE AND LONGITUDE SHOWN WERE CONVERTED FROM NAD83 USING CORPSCON 6.0 (PROGRAM). PFS DOES NOT WARRANT OR GUARANTEE THEIR ACCURACY.



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